ABSTRACT

There is provided an oxide high-temperature superconducting wire having a structure with a high-resistance element arranged to reduce ac loss and also prevented from having an effect impairing superconducting properties including critical current density, and a method of producing the same. The oxide high-temperature superconducting wire includes: an oxide superconductor filament (1) formed of a Bi(Pb)-Sr-Ca-Cu-O-based superconductor; a sheath (2) formed of silver and covering the oxide superconductor filament (1); a high-resistance element (3) formed of a strontium-vanadium oxide and coating the sheath (2); and a coating (4) formed of silver and coating a large number of sheathes (2) coated with the high-resistance element (3).